



# 软件测试方法 平衡之美

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什么是美？



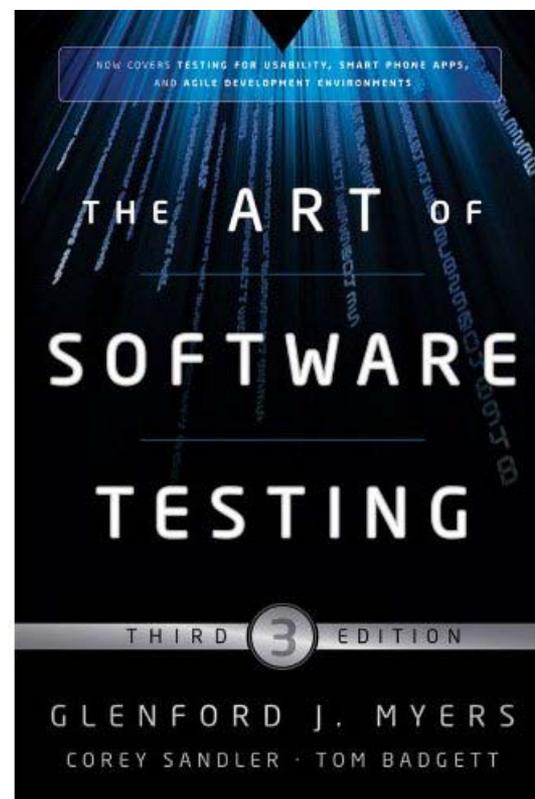
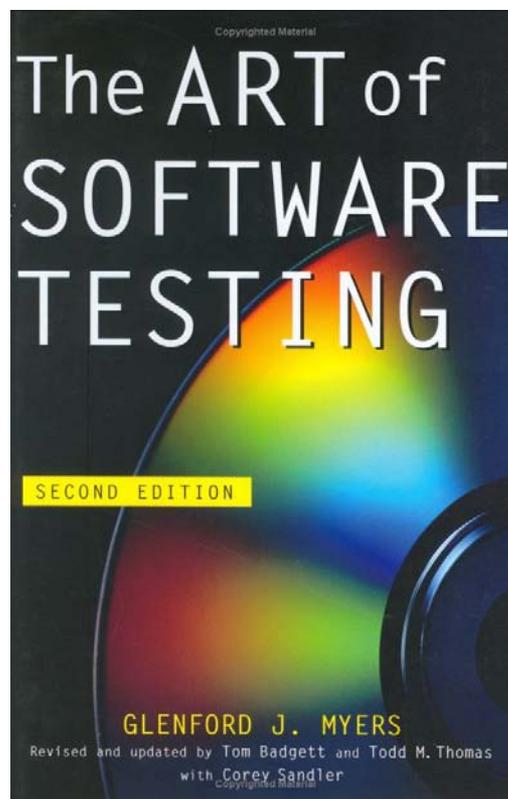
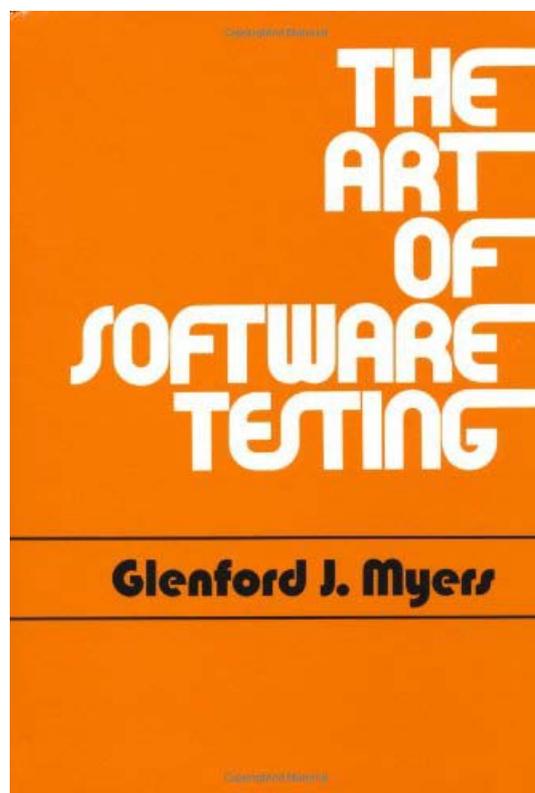
**Beauty:** the quality or aggregate of qualities in a person or thing that gives pleasure to the senses or pleasurablely exalts the mind or spirit

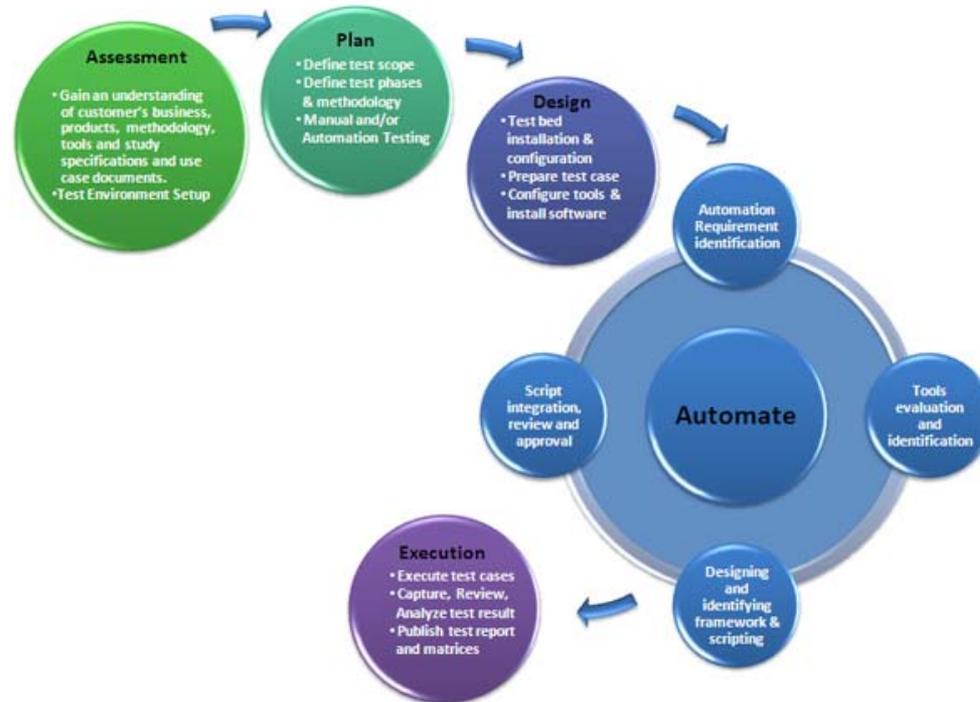


美带来感官或精神的愉悦



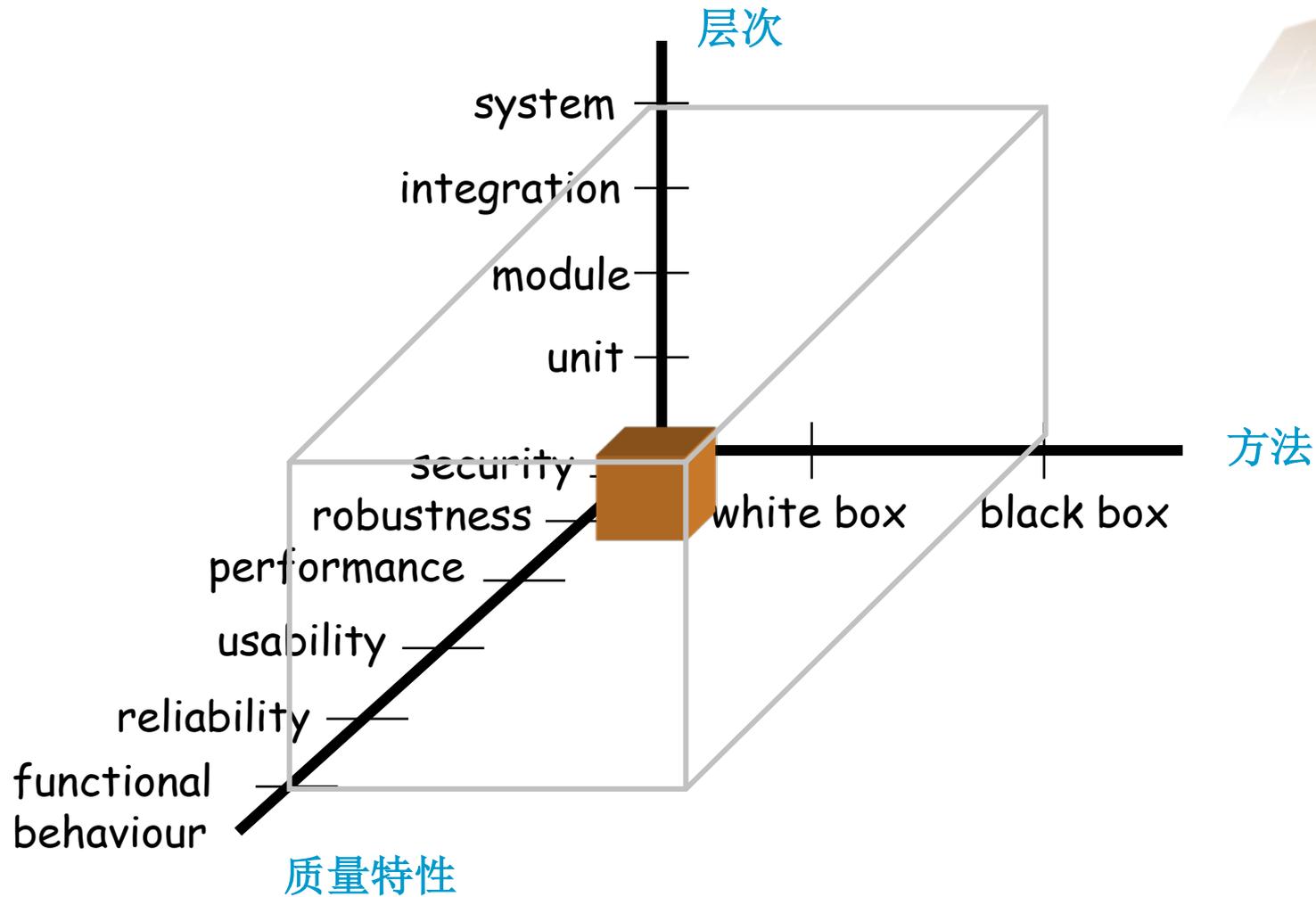
# 从这本书得到美的享受了吗？



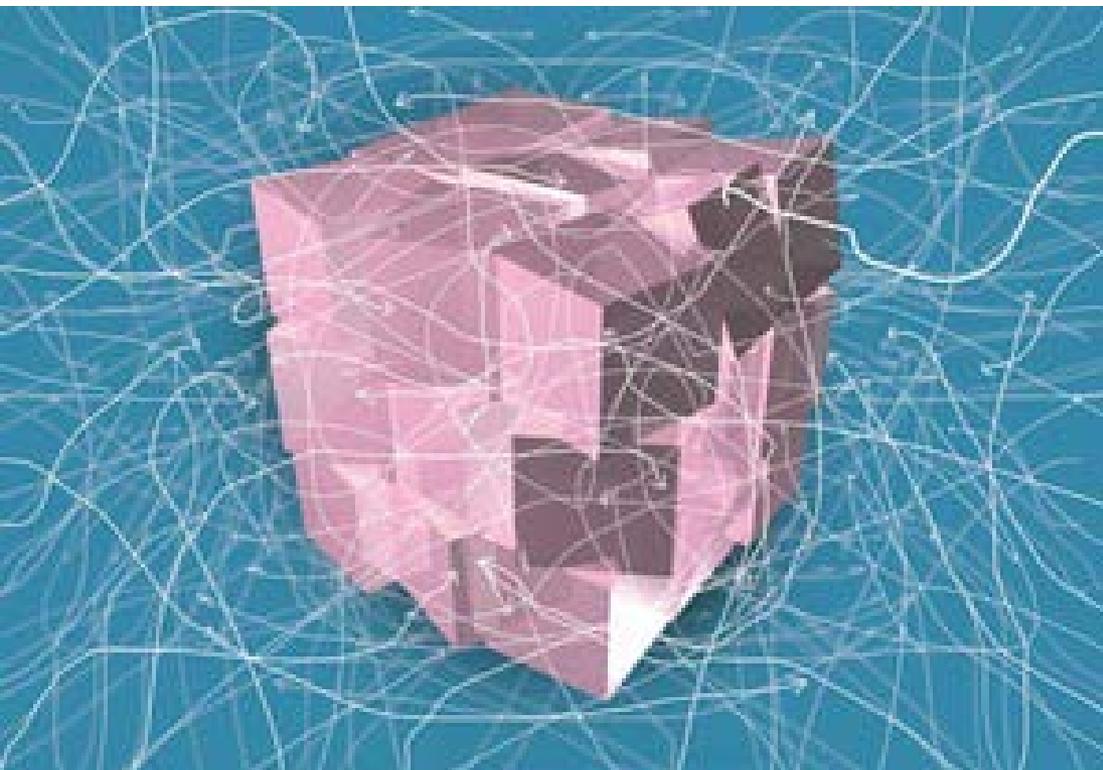


我们心中的软件测试之美呢？

# 空间之美



# 距离之美

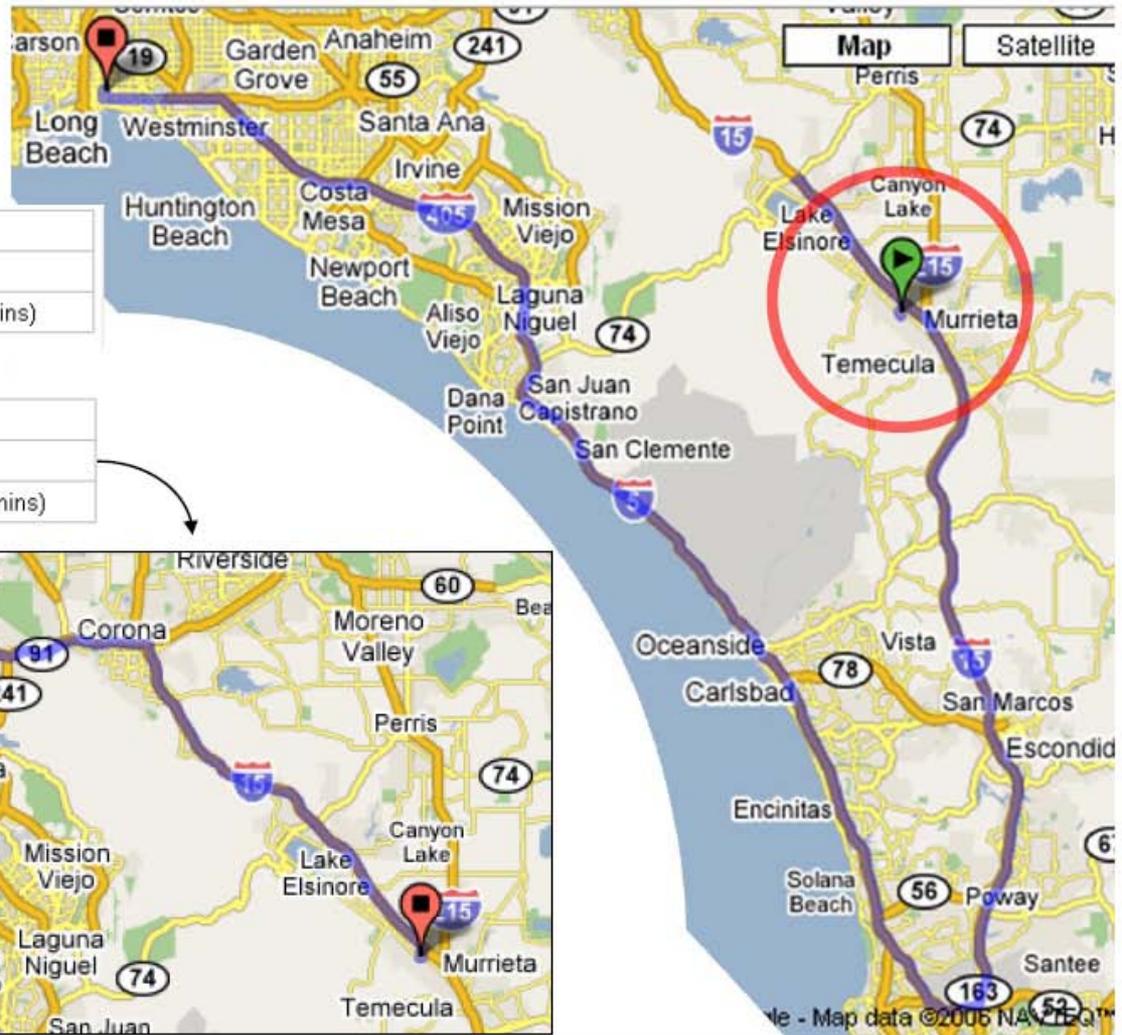


# 技巧之美

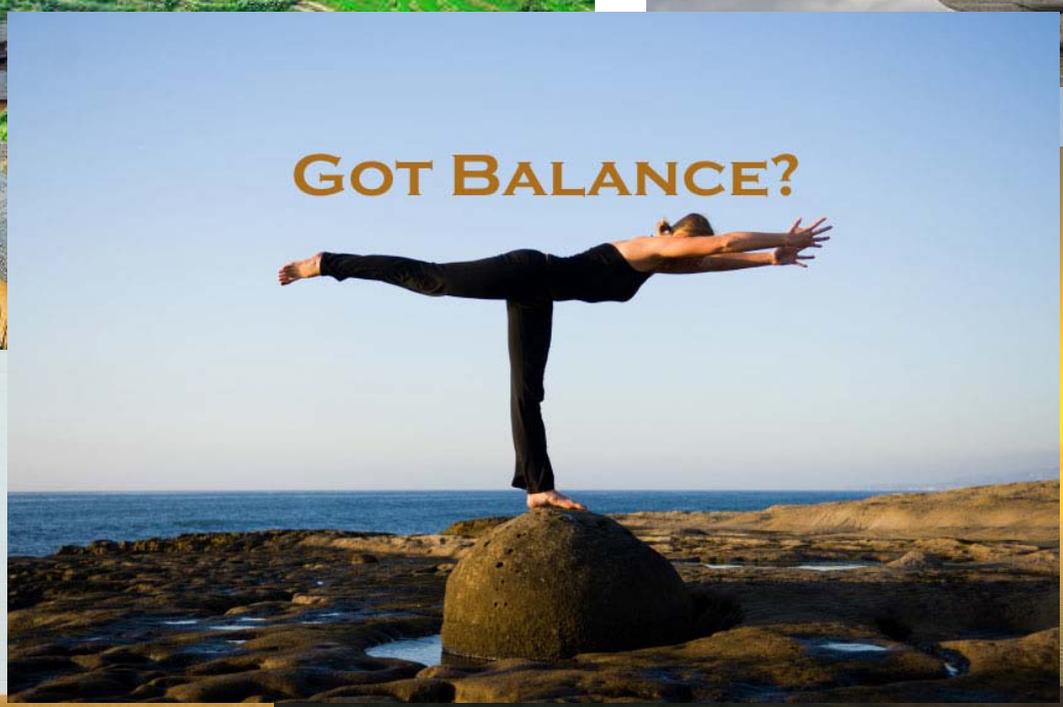


<a href="#">Start address:</a>	CA 92564
<a href="#">End address:</a>	Long Beach, CA 90813
<a href="#">Distance:</a>	180 mi (about 3 hours 3 mins)

<a href="#">Start address:</a>	Long Beach, CA 90813
<a href="#">End address:</a>	CA 92564
<a href="#">Distance:</a>	75.1 mi (about 1 hour 21 mins)

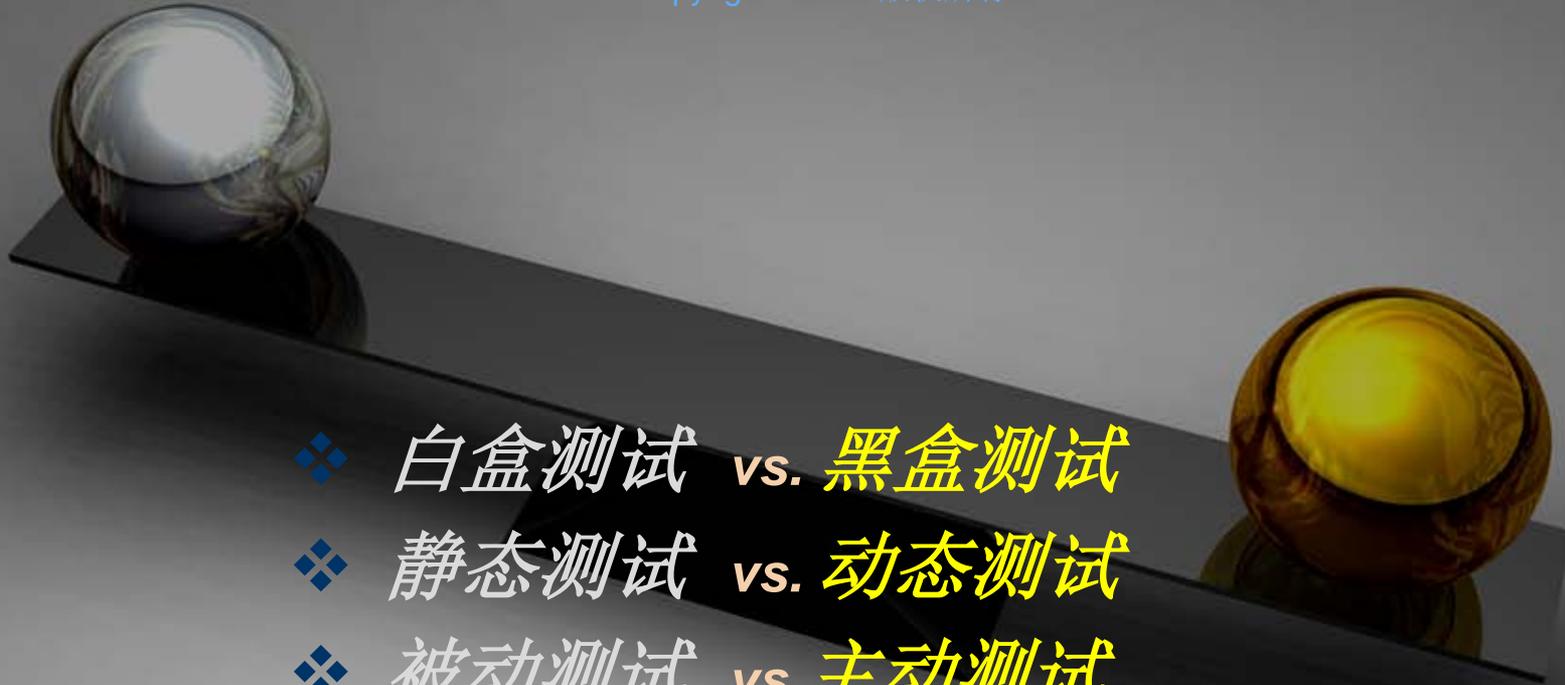


# 平衡之美



# 软件测试方法的平衡之美

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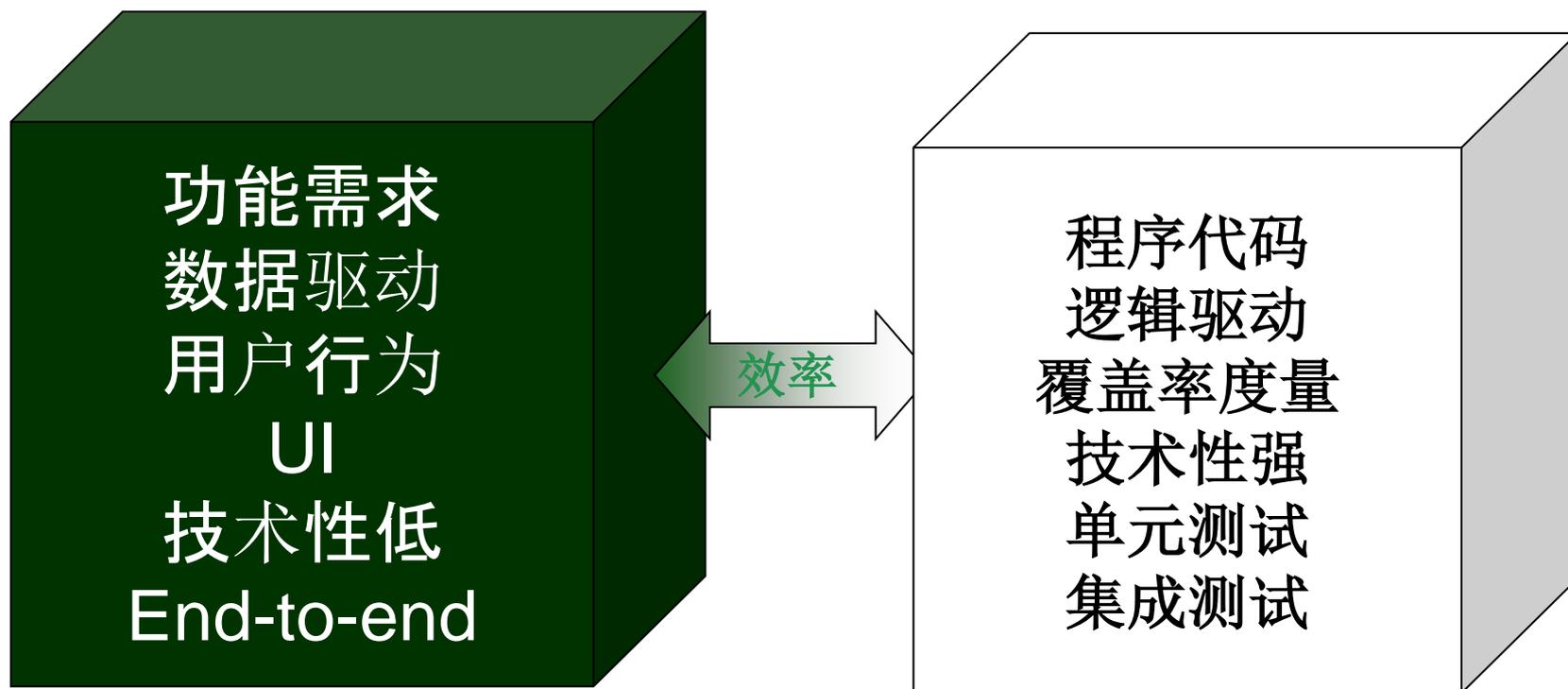
- 
- ❖ 白盒测试 vs. 黑盒测试
  - ❖ 静态测试 vs. 动态测试
  - ❖ 被动测试 vs. 主动测试
  - ❖ 手工测试 vs. 自动化测试
  - ❖ 脚本测试 vs. 探索式测试
  - ❖ 新功能测试 vs. 回归测试

# 软件测试的平衡之美



软件测试永远是  
质量与成本、质量与进度、效率与风险的平衡结果

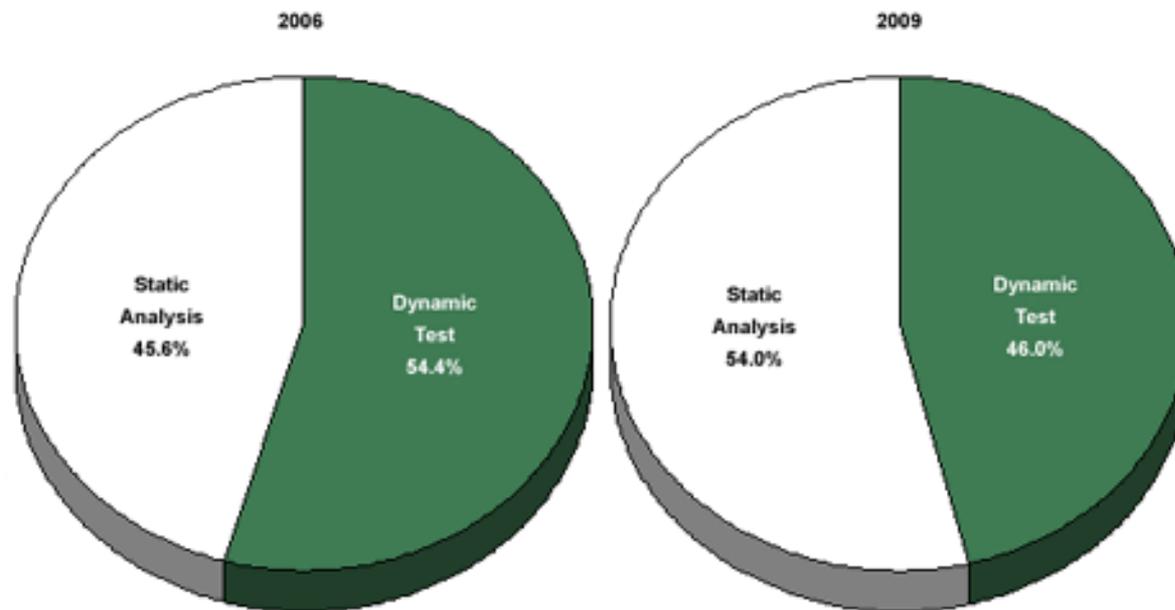
# 黑盒测试 vs. 白盒测试



# 静态测试 vs. 动态测试



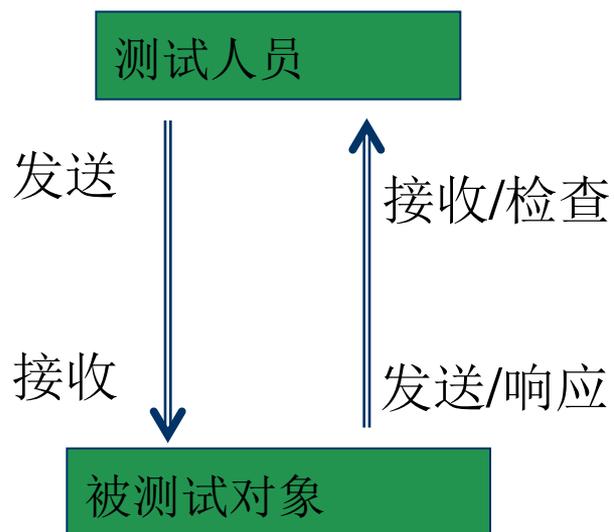
Worldwide Shipments of Embedded Software Test Automation Tools  
and Related Services, Segmented by Product Type  
(Percent of Dollars)



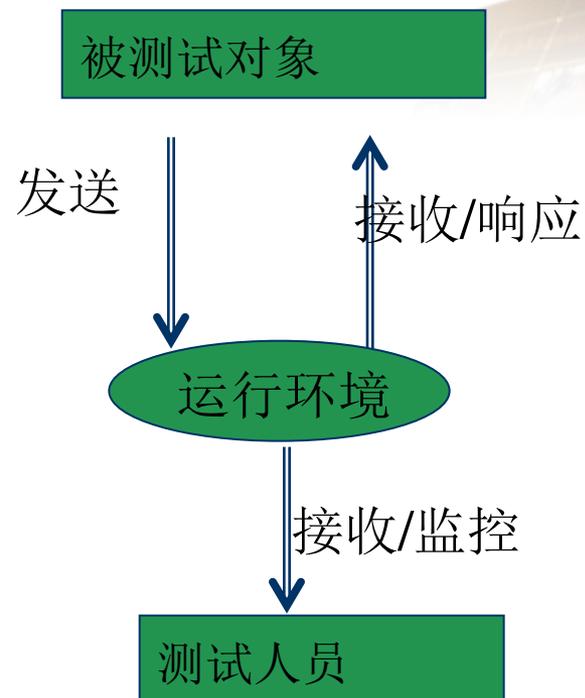
需求评审  
设计评审  
代码评审

功能测试  
性能测试  
兼容性测试

# 被动测试 vs. 主动测试

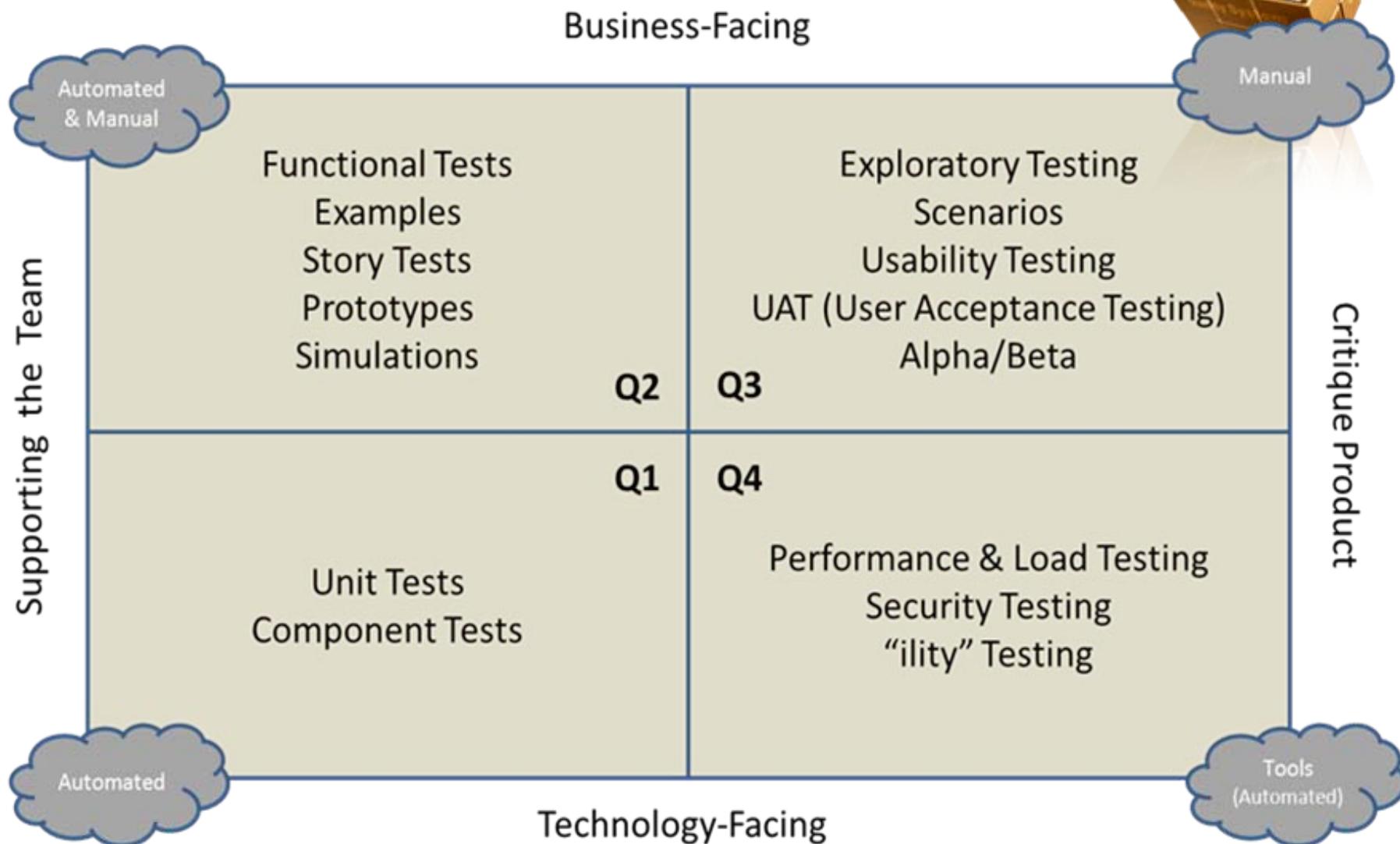


**Active testing**



**Passive testing**

# 手工测试 vs. 自动化测试



# 脚本测试 vs. 探索式测试



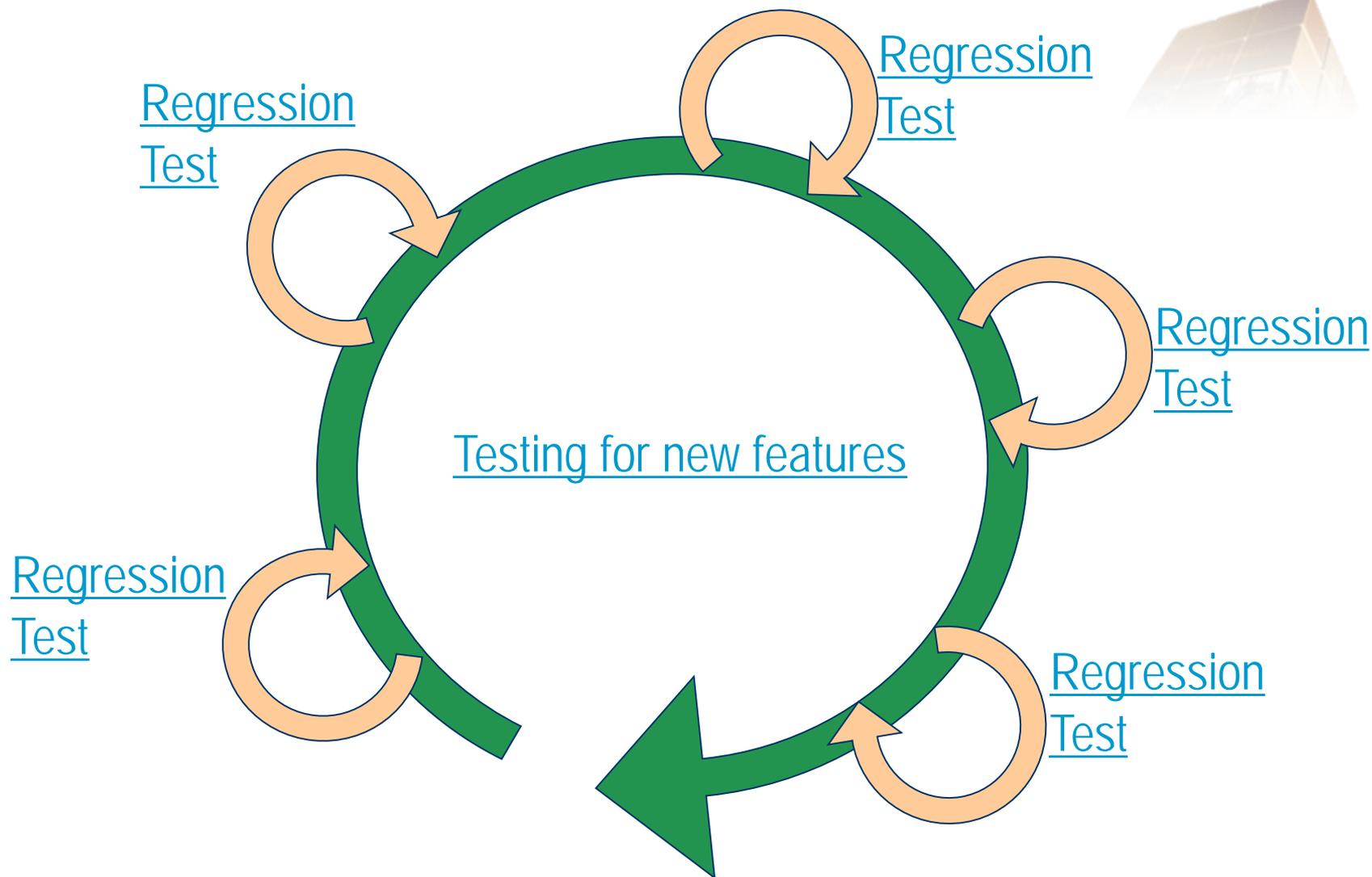
## 脚本测试

- 系统性强
- 容易管理、控制
- 设计在先、执行在后
- 验证自己的思路
- 可预见性

## 探索式测试

- 自由灵活
- 对脚本测试的完善
- 执行和思考并行
- 不断问系统
- 学习的过程

# 新功能测试 vs. 回归测试





# Q & A

